

FIG. 1

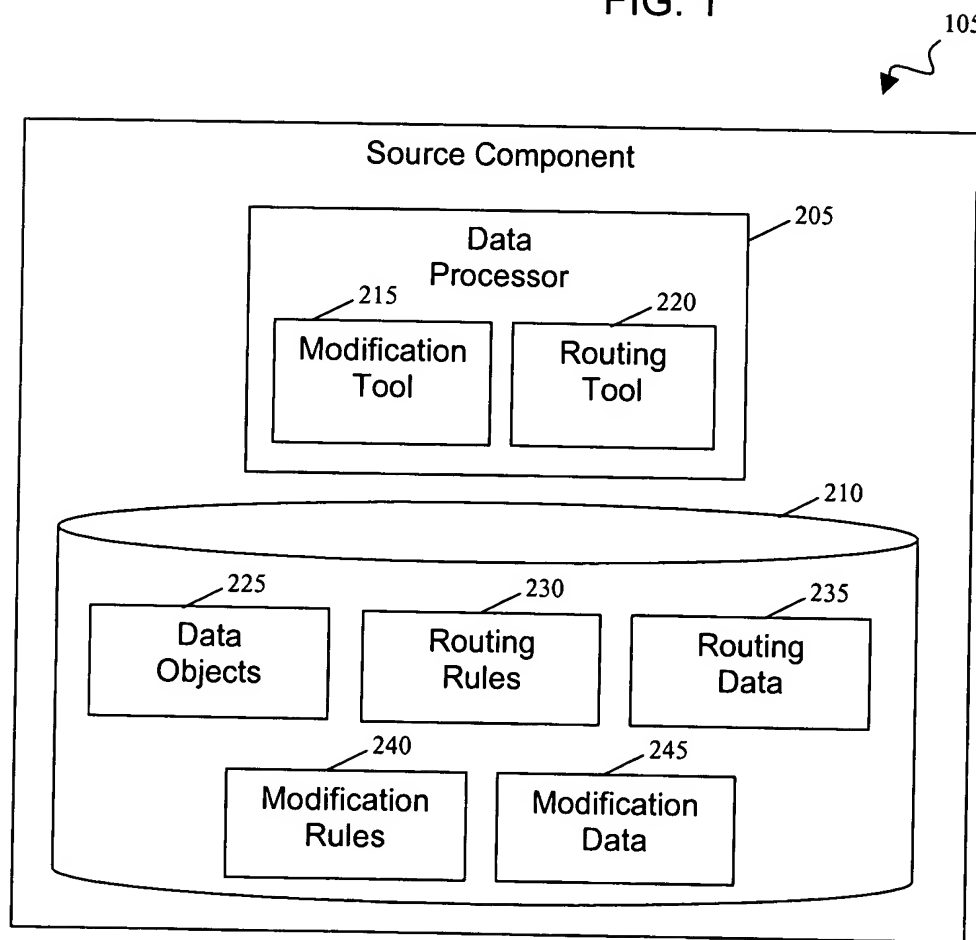


FIG. 2

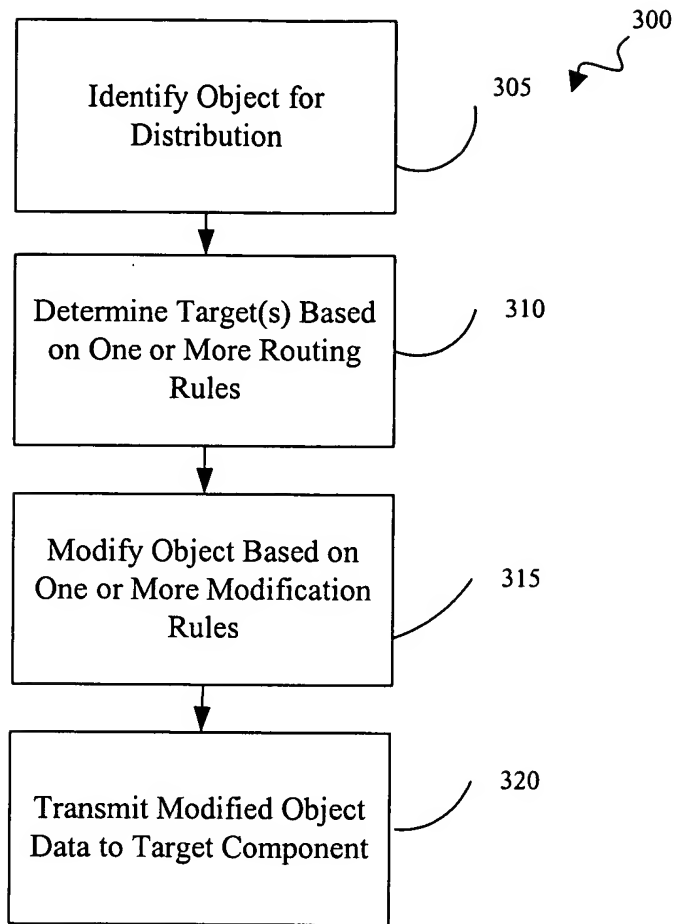


FIG. 3

REPLICATION TABLE						
OBJECT	TARGET	DATE	VERSION	TARGET	DATE	VERSION
Object 1	T1	Date X	1.1	T2	Date V	1.0
Object 2	T1	Date Y	1.0	T2	-	-
Object 3	T1	Date X	2.1	T2	Date X	2.1
Object 4	T1	-	-	T2	Date Z	2.2
Object 5	T1	Date X	1.1	T2	Date Z	1.4

Brackets below the table indicate column groupings: 405 (OBJECT), 410 (TARGET), 415 (DATE), 420 (VERSION), 410 (TARGET), 415 (DATE), 420 (VERSION).

FIG. 4

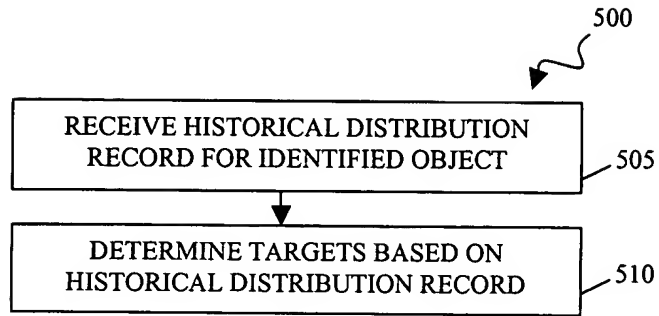


FIG. 5

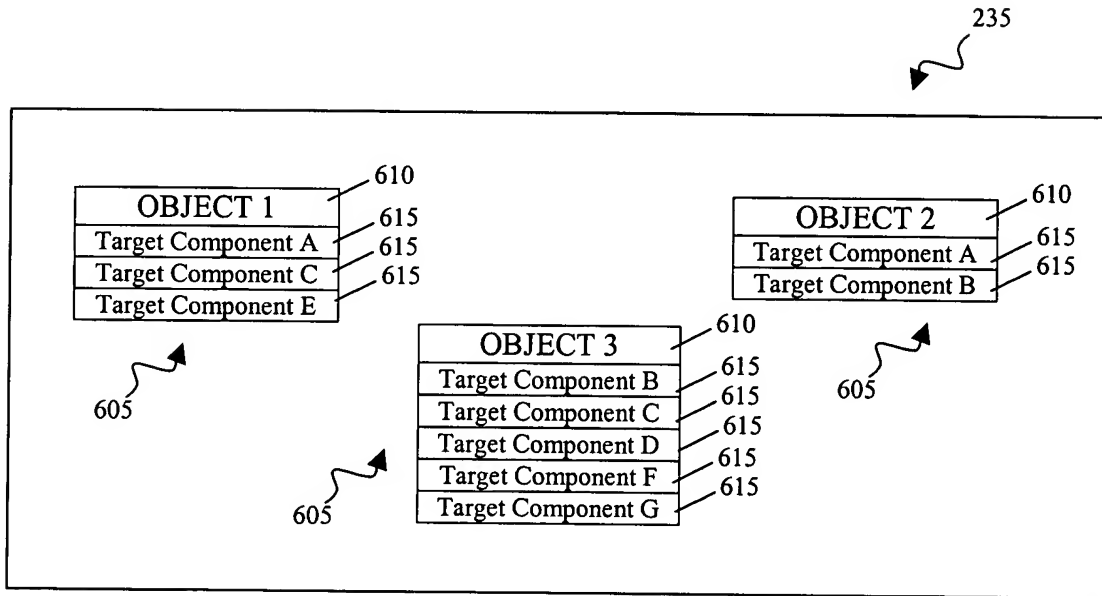


FIG. 6

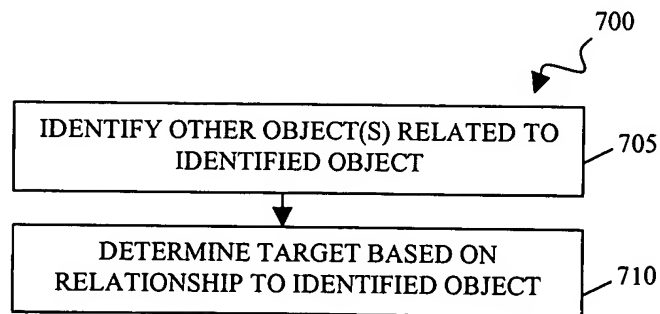


FIG. 7

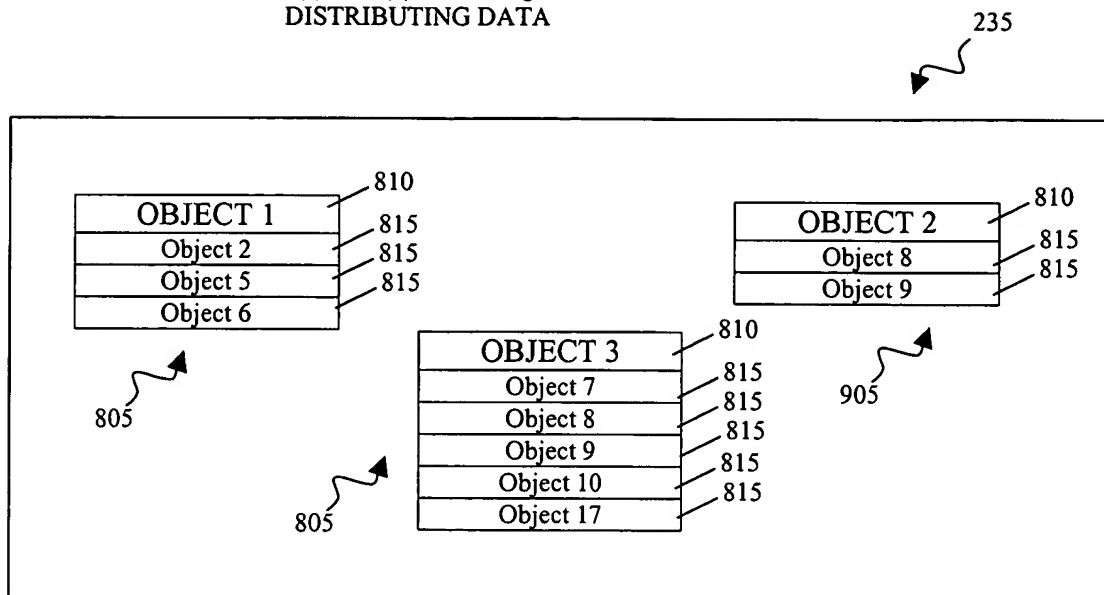


FIG. 8

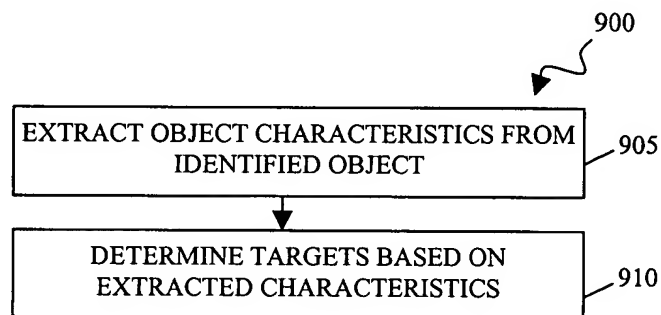


FIG. 9

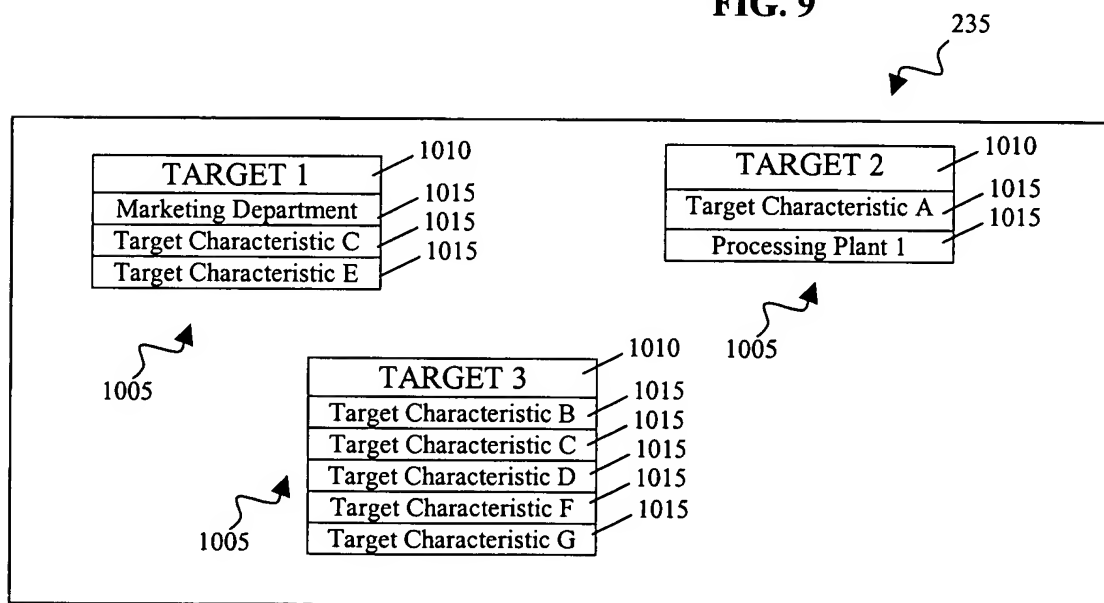


FIG. 10

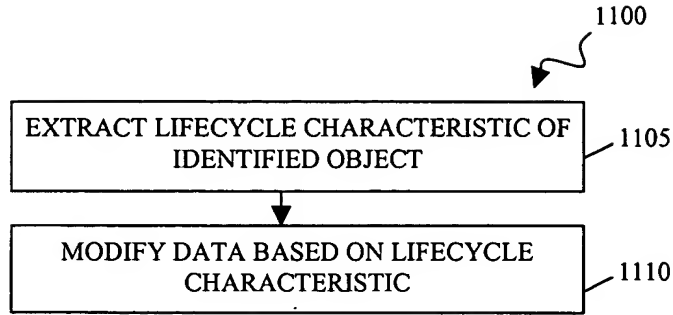


FIG. 11

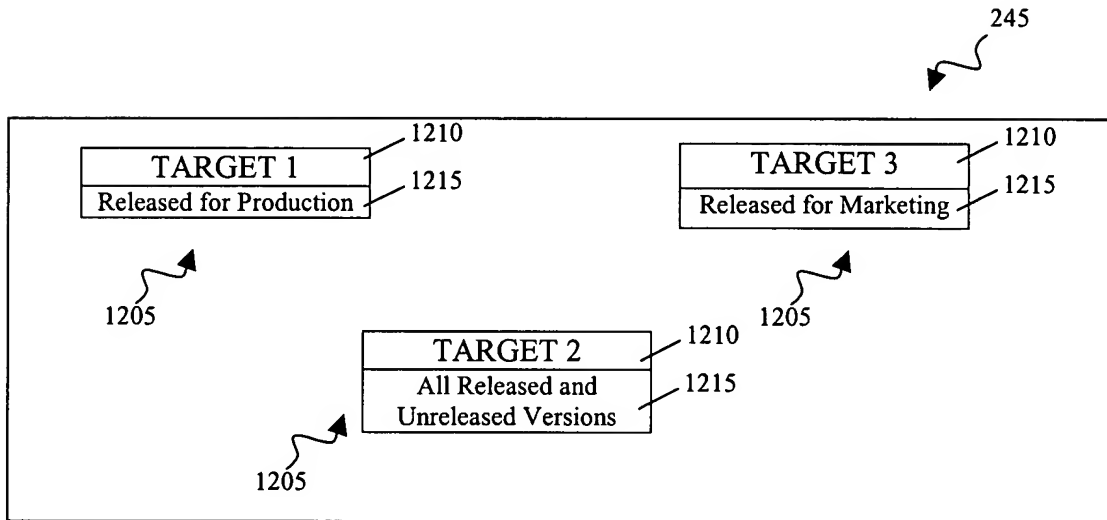


FIG. 12

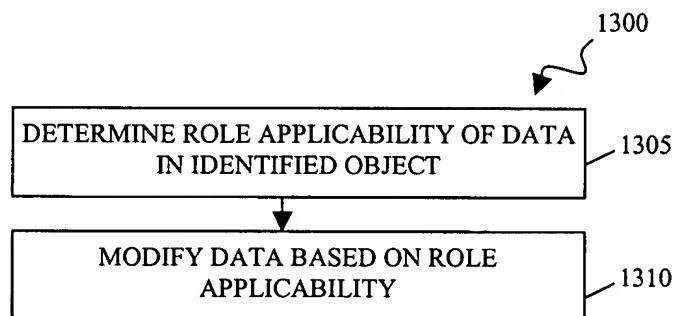


FIG. 13

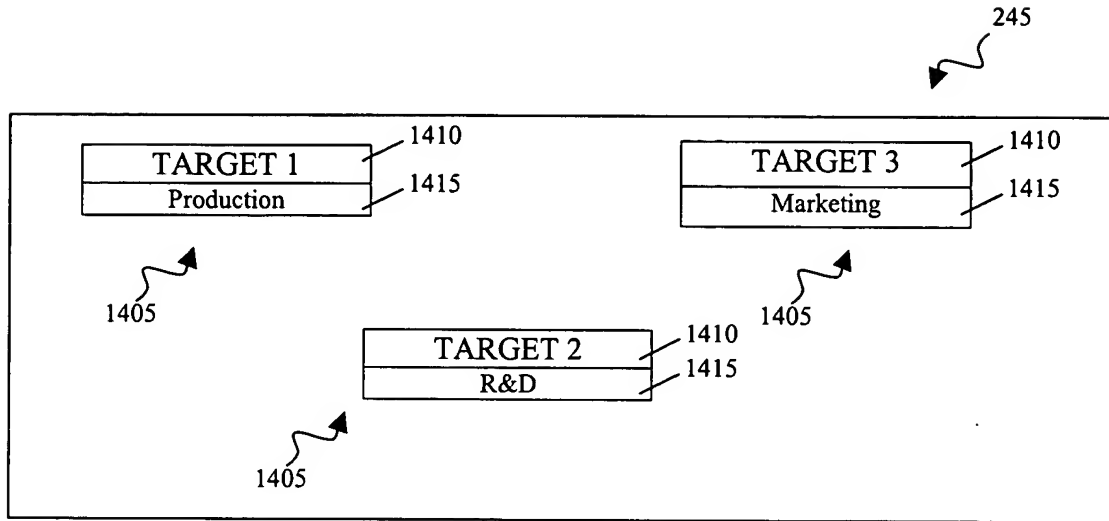


FIG. 14

Diagram 1500 shows a table titled "BILL OF MATERIALS OBJECT". The table has two columns: "ELEMENTS" and "STATE". The rows are as follows:

BILL OF MATERIALS OBJECT	
ELEMENTS	STATE
Element 1	Valid
Element 2A	Invalid
Element 2B	Valid
Element 3	Valid

Arrows labeled 1505, 1510, 1515, and 1520 point to the rows. Arrows labeled 1525, 1530, 1535, and 1540 point to the "STATE" column.

FIG. 15

Diagram 1600 shows a table titled "RECIPE TABLE". The table has five columns: "ID#", "Omelet", "Spinach", "Formula", and "Element Hierarchy". The rows are as follows:

RECIPE TABLE				
ID# 573.1	Omelet	Spinach	Formula -3 Extra Large Eggs -6g Spinach -0.2g Salt	Element Hierarchy
ID# 573.2	Omelet	Spinach	Formula -3 Extra Large Eggs -5.8g Spinach -0.2g Salt	Element Hierarchy
ID# 573.3	Omelet	Spinach	Formula -3 Extra Large Eggs -5.8g Spinach -0.2g Salt	Element Hierarchy

Arrows labeled 1645, 1650, and 1655 point to the rows. Arrows labeled 1620, 1625, 1630, 1635, and 1640 point to the columns. A bracket labeled 1605 groups the first two columns, a bracket labeled 1610 groups the last two columns, and a bracket labeled 1615 groups the last column.

FIG. 16

1700

VENDOR OBJECT	
1715 Name	Acme Co. 1740
1720 Ship to Street	Drury Lane 1745
1725 Ship to City	Townsville 1750
1730 Ship to State	Bliss 1755
1735 Ship to Zip	00000 1760
Ship to Country	Western
Phone	87-57-3717
Fax	87-57-3718
Web Address	<u>www.acme.comp</u>
Email	acme@acme.comp
...	...

1705 1710

FIG. 17

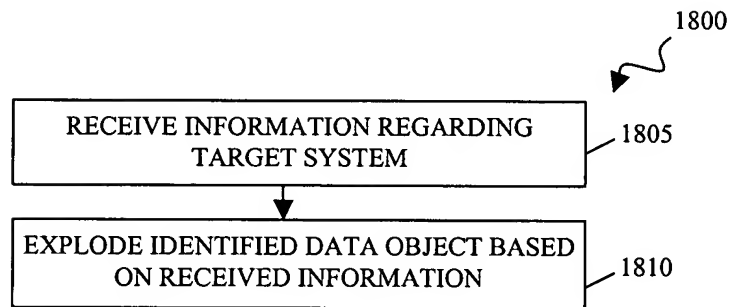


FIG. 18

1800

	VENDOR OBJECT	
1715	Name	Acme Comp.
1720	Ship to Street	Drury Lane
1725	Ship to City	Townsville
1730	Ship to State	Bliss
1735	Ship to Zip	00000
1915	Ship to Country	Western
1920	Bill to Street	Drury Lane
1925	Bill to City	Townsville
1930	Bill to State	Bliss
1935	Bill to Zip	00000
	Bill to Country	Western
	Phone	87-57-3717
	Fax	87-57-3718
	Web Address	www.acme.comp
	Email	acme@acme.comp

1705
1710

FIG. 19

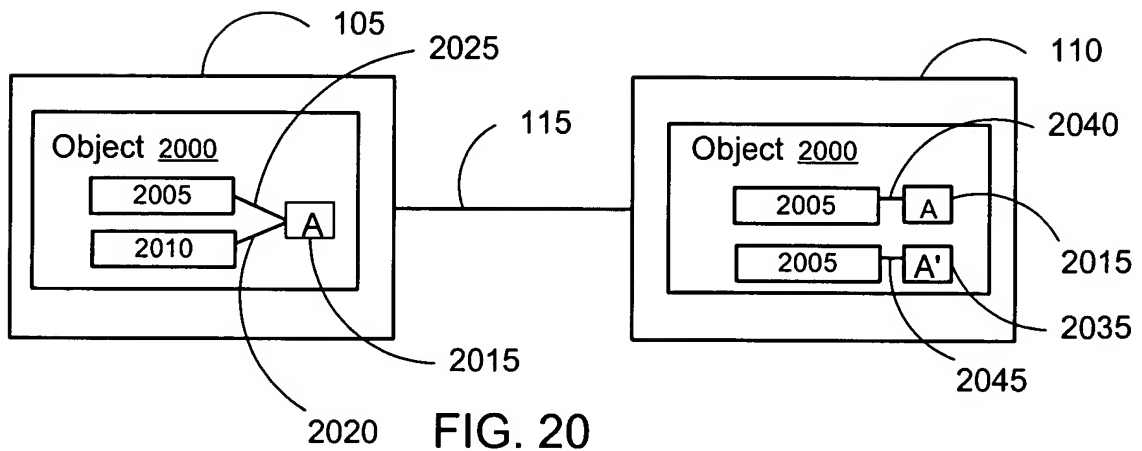


FIG. 20